



07-11-04

PTO/SB/21 (04-07)

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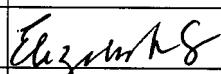
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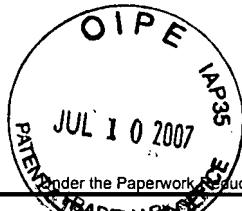
Application Number	10/805,650-Conf. #9645
Filing Date	March 19, 2004
First Named Inventor	Michael Borns
Art Unit	1637
Examiner Name	M. Staples
Attorney Docket Number	2382(225436)

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
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<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		
	Remarks	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	EDWARDS ANGELL PALMER & DODGE LLP		
Signature			
Printed name	Elizabeth Spar		
Date	July 10, 2007	Reg. No.	45,123



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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Complete if Known	
FEE TRANSMITTAL For FY 2007		Application Number 10/805,650-Conf. #9645 Filing Date March 19, 2004 First Named Inventor Michael Borns Examiner Name M. Staples Art Unit 1637	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		TOTAL AMOUNT OF PAYMENT (\$ 180.00) Attorney Docket No. 2382(225436)	

METHOD OF PAYMENT (check all that apply)					
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____					
<input checked="" type="checkbox"/> Deposit Account Deposit Account Number: 04-1105 Deposit Account Name: Stratagene California					
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)					
<input checked="" type="checkbox"/> Charge fee(s) indicated below			<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee		
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FEE CALCULATION							
1. BASIC FILING, SEARCH, AND EXAMINATION FEES							
Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____
2. EXCESS CLAIM FEES							
Fee Description							
Each claim over 20 (including Reissues) _____							
Each independent claim over 3 (including Reissues) _____							
Multiple dependent claims _____							
Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims			
- = _____	x _____	= _____	Fee (\$)	Fee (\$)			
HP = highest number of total claims paid for, if greater than 20.							
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	_____			
HP = highest number of independent claims paid for, if greater than 3.							
3. APPLICATION SIZE FEE							
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof		Fee (\$)	Fee Paid (\$)		
- 100 = _____	/50 = _____	(round up to a whole number) x _____ = _____		Fee (\$)	Fee (\$)		
4. OTHER FEE(S)							
Non-English Specification, \$130 fee (no small entity discount)							
Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement 180.00							

SUBMITTED BY					
Signature			Registration No. (Attorney/Agent)	45,123	Telephone (617) 439-4444
Name (Print/Type)	Elizabeth Spar		Date	July 10, 2007	



Docket No.: 2382(225436)
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Michael Borns

Application No.: 10/805,650

Confirmation No.: 9645

Filed: March 19, 2004

Art Unit: 1637

For: DNA POLYMERASE FUSIONS AND
USES THEREOF

Examiner: M. Staples

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 CFR 1.97, Applicant(s) hereby make of record the following additional documents. A PTO Form SB/08 and a full copy of each of the documents required under 37 CFR 1.98(a)(2) accompany this statement.

Applicant(s) have become aware of the following documents, cited in an International Search Report issued March 23, 2007, during the prosecution of International Application No. EP 04 75 8226, which corresponds to the above referenced application, and in accordance with 37 CFR 1.97(c) and (e)(1) or (b)(3), hereby submit(s) these documents for the Examiner's consideration. These documents are cited on the enclosed PTO Form SB/08, and a copy of the International Search Report and of each document required under 37 CFR 1.98(a)(2) cited thereon are enclosed as well.

This statement is not to be interpreted as a representation that the cited documents are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any document herein be

construed *per se* as a representation that such document is prior art. Moreover, Applicant(s) understand(s) the Examiner will make an independent evaluation of the cited documents.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

Furthermore, in accordance with 37 CFR 1.704(d), Applicant(s) note(s) that to our knowledge this communication was not received by any individual designated in 1.56(c) more than thirty days prior to the filing of this statement.

Please charge our Deposit Account No. 04-1105 in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p). The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1105, under Order No. 2382(225436). A duplicate copy of this paper is enclosed.

Dated: July 10, 2007

Respectfully submitted,

By Elizabeth Spar
Elizabeth Spar

Registration No.: 45,123
EDWARDS ANGELL PALMER & DODGE
LLP
P.O. Box 55874
Boston, Massachusetts 02205
(617) 439-4444
Attorneys/Agents For Applicant



Used in Lieu of PTO/SB/08A/B
(Based on PTO 04-07 version)

Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/805,650-Conf. #9645
				Filing Date	March 19, 2004
				First Named Inventor	Michael Borns
				Art Unit	1637
				Examiner Name	M. Staples
Sheet	1	of	1	Attorney Docket Number	2382(225436)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
	A1	WO 0111051	02-15-2001	Lion Bioscience AG	Claims 1-43, examples 5, 7

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	B1	Motz, Michael et al., "Elucidation of an archaeal replication protein network to generate enhanced PCR enzymes." The Journal of Biological Chemistry, May 3, 2002, Vol., 277, No. 18, pages 16179-16188.			
	B2	Pavlov, A.R. et al., "Helix-hairpin-helix motifs confer salt resistance and processivity on chimeric DNA polymerases" Proceedings of the National Academy of Sciences of USA, National Academy of Science, Wahsington, CD U.S. Vol. 99, No. 21, October 15, 2002, pages 13510-13515.			
	B3	Yates, Charles R. et al., "Molecular diagnosis of thiopurine S-methyltransferase deficiency: Genetic basis for azathioprine and mercaptopurine intolerance," Annals of Internal Medicine, Vol. 126, No. 8, 1997, pages 608-614.			
	B4	Siegelman, M. et al., "Rapid, nonradioactive screening for mutations in exons 10, 11, and 16 of the RET protooncogene associated with inherited medullary thyroid carcinoma," Clinical Chemistry, Mar 1997, Vol. 43, No. 3, March 1997, pages 453-457.			
	B5	Miettinen, PIJ. Et al., "Impaired migration and delayed differentiation of pancreatic islet cells in mice lacking EGF-receptors," Development (Cambridge, England) June 2000, Vol. 127, No. 12, June 2006, pages 2617-2627.			
	B6	Boehlke, et al., "PCR performance of the B-type DNA polymerase from the thermophilic euryarchaeon Thermococcus aggregans improved by mutations in the Y-GG/A motif," Nucleic Acids Research, Oxford University Press, Surrey, GB, Vol. 28, No. 20, October 15, 2000, pages 3910-3917.			
	B7	Fogg, M.J. et al., "Structural basis for uracil recognition by archaeal family B DNA polymerases," Nature Structural Biology, New York, NY, US, Vol. 9, No. 12, December 2002, pages 922-927.			
	B8	Gardner, Andrew F. et al., "Determinants of nucleotide sugar recognition in an archaeon DNA polymerase," Nucleic Acids Research, Oxford University Press, Surrey, GB, Vol. 27, No. 12, June 15, 1999, pages 2545-2553.			
	B9	Copy of Supplementary European Search Report for EP 04 75 8226, dated March 23, 2007.			
Examiner Signature		Date Considered			



application No. (if known): 10/805,650

Attorney Docket No.: 2382(225436)

Certificate of Express Mailing Under 37 CFR 1.10

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on July 10, 2007
Date


Signature

Andrea MacVarish

Typed or printed name of person signing Certificate

Registration Number, if applicable

(617) 439-4444

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IDS (Citation) by Applicant (1 page) with (10 References) (162 pages)
Supplemental Information Disclosure Statement (2 pages)
Transmittal (1 page)
Fee Transmittal Form (1 page)
Charge \$180.00 to deposit account 04-1105